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Cover: The cover photographs show several ways to teach muscle function. On the left is an anatomic arm model next to a biomechanical arm model developed by Joseph Griswold and APS member Dan Lemons. The biomechanical arm was developed with funding from the National Science Foundation Course, Curriculum, and Laboratory Improvement program. For more information, see www.slworkshop.com. The photograph on the right shows Martin Feder giving a lecture on muscle at the University of Chicago. The screens in the back show an animation of actin and myosin (www.sci.sdsu.edu/movies/actin_myosin_gif.html) and a video of Cindy Crawford doing sit-ups. At the bottom is a still graphic of people holding hands as they demonstrate sarcomere shortening in muscle contraction. Photo credits: Dee Silverthorn (left) and jasonsmith.com (right).

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